



SEQUENCE LISTING

<110> Kolesnick, Richard N.  
Xing, Hong-Mei R.

<120> Kinase Suppressor of Ras Inactivation  
for Therapy of Ras Mediated Tumorigenesis

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<141> 2003-12-03

<150> 60/384,228

<151> 2002-05-30

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<151> 2003-04-03

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<213> Homo sapiens

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<213> Artificial Sequence

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<210> 29

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<212> DNA

<213> Artificial Sequence

<220>

<223> antisense oligonucleotide

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<213> Artificial Sequence

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<213> Homo sapiens

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 Gly Arg Trp His Gly Glu Val Ala Ile Arg Leu Leu Glu Met Asp Gly  
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&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 45

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&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 46

Asp	Ser	Ser	Ser	Asn	Pro	Ser	Ser	Thr	Thr	Ser	Ser	Thr	Pro	Ser	Ser
1				5					10					15	
Pro	Ala	Pro	Phe	Leu	Thr	Ser	Ser	Asn	Pro	Ser	Ser	Ala	Thr	Thr	Pro
		20					25					30			
Pro	Asn	Pro	Ser	Pro	Gly	Gln	Arg	Asp	Ser	Arg	Phe	Ser	Phe	Pro	Asp
		35					40					45			
Ile	Ser	Ala	Cys	Ser											
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&lt;210&gt; 47

&lt;211&gt; 272

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 47

Gln	Thr	Ser	Val	Tyr	Leu	Gln	Glu	Trp	Asp	Ile	Pro	Phe	Glu	Gln	Val
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Glu	Leu	Gly	Glu	Pro	Ile	Gly	Gln	Gly	Arg	Trp	Gly	Arg	Val	His	Arg
		20					25					30			
Gly	Arg	Trp	His	Gly	Glu	Val	Ala	Ile	Arg	Leu	Leu	Glu	Met	Asp	Gly
		35					40					45			
His	Asn	Gln	Asp	His	Leu	Lys	Leu	Phe	Lys	Lys	Glu	Val	Met	Asn	Tyr
	50					55					60				
Arg	Gln	Thr	Arg	His	Glu	Asn	Val	Val	Leu	Phe	Met	Gly	Ala	Cys	Met
65					70				75						80
Asn	Pro	Pro	His	Leu	Ala	Ile	Ile	Thr	Ser	Phe	Cys	Lys	Gly	Arg	Thr
			85						90					95	
Leu	His	Ser	Phe	Val	Arg	Asp	Pro	Lys	Thr	Ser	Leu	Asp	Ile	Asn	Lys
			100					105					110		
Thr	Arg	Gln	Ile	Ala	Gln	Glu	Ile	Ile	Lys	Gly	Met	Gly	Tyr	Leu	His
		115				120						125			
Ala	Lys	Gly	Ile	Val	His	Lys	Asp	Leu	Lys	Ser	Lys	Asn	Val	Phe	Tyr
	130					135					140				

Asp	Asn	Gly	Lys	Val	Val	Ile	Thr	Asp	Phe	Gly	Leu	Phe	Gly	Ile	Ser
145					150					155					160
Gly	Val	Val	Arg	Glu	Glu	Arg	Arg	Glu	Asn	Gln	Leu	Lys	Leu	Ser	His
			165						170					175	
Asp	Trp	Leu	Cys	Tyr	Leu	Ala	Pro	Glu	Ile	Val	Arg	Glu	Met	Ile	Pro
			180					185					190		
Gly	Arg	Asp	Glu	Asp	Gln	Leu	Pro	Phe	Ser	Lys	Ala	Ala	Asp	Val	Tyr
		195					200					205			
Ala	Phe	Gly	Thr	Val	Trp	Tyr	Glu	Leu	Gln	Ala	Arg	Asp	Trp	Pro	Phe
	210					215					220				
Lys	His	Gln	Pro	Ala	Glu	Ala	Leu	Ile	Trp	Gln	Ile	Gly	Ser	Gly	Glu
225					230					235					240
Gly	Val	Arg	Arg	Val	Leu	Ala	Ser	Val	Ser	Leu	Gly	Lys	Glu	Val	Gly
			245						250					255	
Glu	Ile	Leu	Ser	Ala	Cys	Trp	Ala	Phe	Asp	Leu	Gln	Glu	Arg	Pro	Ser
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